

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Group Art Unit: 2817**

**Examiner:** Harris, Wesley

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## For: TUNABLE IMPEDANCE MATCHING CIRCUIT FOR RF POWER AMPLIFIER

Commissioner for Patents  
Washington, D.C. 20231

Transmitted herewith is a Response to Office Action, mailed July 24, 2002, for the above-identified application. Enclosed are the following:

- ☒ Amendment and Response (5 pages);
- ☒ Certificate of Mailing (37 C.F.R. §1.8);

**CERTIFICATE OF MAILING (37 C.F.R. §1.8)**

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposit with the Unites States Postal Services on the date shown below with sufficient postage as "First Class Mail" to addressee in an envelope addressed to the Commissioner for Patents, Washington, D.C. 202031

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PATENT  
Docket No. 264/070  
14691-7005

- ☒ Return Postcard;
- ☒ The Commissioner is authorized to charge Bingham McCutchen's Deposit Account No. **50-1189** for any fees required that are not covered, in whole or in part, and to credit any overpayments to said Deposit Account **50-1189**

Respectfully submitted,

BINGHAM McCUTCHEN LLP

Dated: October 15, 2002

By: 

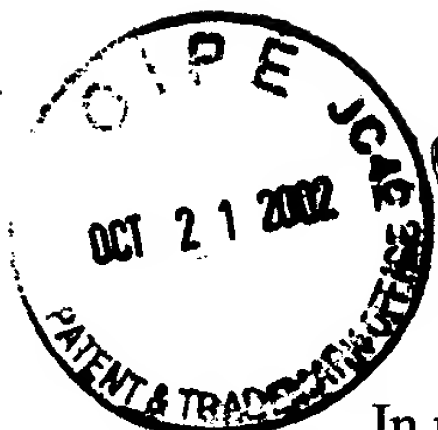
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**23639**

PATENT TRADEMARK OFFICE



PATENT  
14691-7005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Nagaraj Dixit, et al.

Serial No.: 09/927,298

Filed: August 10, 2001

For: TUNABLE IMPEDANCE MATCHING  
CIRCUIT FOR RF POWER AMPLIFIER

Group Art Unit: 2817

Examiner: Harris, Wesley G.

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AMENDMENT AND RESPONSE TO OFFICE ACTION

Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

In response to the Office Action mailed July 24, 2002, kindly amend the application as follows:

In the Claims:

Please amend claims 1 and 7 as follows:

- a1
1. (Amended) An impedance matching circuit for tuning an active device, comprising:  
a transmission line for electrically coupling a radio frequency signal between a source and a load comprising the active device, wherein the length of the transmission line is adjusted based on a measured performance characteristic of the device.